

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/536526.app.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:16
S2	140145	"250"/.clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:16
S3	832	S2 and (optical same detector same meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:34
S4	5	S3 and (fluid near meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:19
S5	80	S3 and (fluid same meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:29
S6	10	S5 and (counter and dis\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:28
S7	3	zuefferey.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:28
S8	369	hoss.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:28

## EAST Search History

S9	2	S8 and ("4327362")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:28
S10	3	("4983828"   "5064290").PN. OR ("5266797").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/04 08:29
S11	46	("3083357"   "3508003"   "3604811"   "3754815"   "3806875"   "3849698"   "4041483"   "4137451").PN. OR ("4327362").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/04 08:29
S12	10	S11 and (optical same detector same meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:29
S13	0	S12 and (fluid same meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:32
S14	0	S10 and (optical same detector same meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 09:23
S15	0	cros-alan.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:32
S16	410	cros.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:32
S17	10	S16 and (fluid near meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:33
S18	67	bulteau.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:33

## EAST Search History

S19	11	S18 and (fluid near meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:33
S20	2	("5134304"   "6512217").PN. OR ("7030362").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/04 08:34
S21	1270	356/445.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/04 08:34
S22	0	S21 and (optical same detector same meter and fluid near meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 12:33
S23	17	S21 and (optical same detector same meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:35
S24	0	S23 and (fluid near meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 08:35
S25	2	"4327362".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 09:24
S26	2	"5266797".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 09:24
S27	8	"1648690".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 09:26
S28	1	1992-046913.NRAN.	DERWENT	OR	OFF	2006/12/04 09:25
S29	9	"2230629".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 09:27

## EAST Search History

S30	5	"2740216".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 09:26
S31	3	("4983828"   "5064290").PN. OR ("5266797").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/04 12:04
S32	46	("3083357"   "3508003"   "3604811"   "3754815"   "3806875"   "3849698"   "4041483"   "4137451").PN. OR ("4327362").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/04 12:22
S33	10	S32 and (optical same detector same meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 12:23
S34	1188	250/231.13.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 12:23
S35	11	S34 and (optical same detector same meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 12:23
S36	4	S35 and fluid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 12:23
S37	274	(optical same detector same meter and fluid same meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 12:33
S38	164	S37 and (emit\$4 and receiv\$4 and angle or degree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 12:34
S39	164	S38 and (disc or disk or axis or detect\$5 or collimat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 12:36

## EAST Search History

S40	164	S39 and (fluid same meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 12:37
S41	148	S40 and (reflect\$4 same angle or degrees)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 16:43
S42	78	S38 and (disc or disk and axis and detect\$5 or collimat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 12:36
S43	78	S42 and (fluid same meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 12:50
S44	11	S42 and (fluid near meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 10:14
S45	274	(optical same detector same meter and fluid same meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 16:43
S46	164	S45 and (emit\$4 and receiv\$4 and angle or degree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 16:43
S47	164	S46 and (disc or disk or axis or detect\$5 or collimat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 16:43
S48	164	S47 and (fluid same meter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 16:43

## EAST Search History

S49	148	S48 and (reflect\$4 same angle or degrees)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 16:43
S50	59	S49 and (led or diode and optical and collimat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 16:43
S51	4819	rotati\$4 same dis\$3 same detector same optical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 07:52
S52	8	S51 and (fluid same meter and receiv\$4 and emitt\$4 and collimat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 08:29
S53	568	S51 and (receiv\$4 and emitt\$4 and collimat\$4 and angle and degree\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 10:10
S54	409	S53 and (align\$4 and axis and reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 08:32
S55	45	S54 and (slit\$4 same collimat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 08:32
S56	113	("4026654"   "4538181"   "4621705"   "4626850"   "4757450"   "4833469"   "4849731"   "4926170"   "5039217").PN. OR ("5249157").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 10:10
S57	54	S56 not (car)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:45
S58	2	S57 and (receiv\$4 and emitt\$4 and collimat\$4 and angle and degree\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 10:40

## EAST Search History

S59	2593	250/221.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 10:14
S60	125	S59 and (receiv\$4 and emitt\$4 and collimat\$4 and angle and optical and reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 11:28
S61	99	S60 not (vehicle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 10:23
S62	0	S61 and (collimat\$4 near slit\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 10:24
S63	1	S60 and (collimat\$4 near slit\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 10:24
S64	1	("2002/0003206").URPN.	USPAT	OR	OFF	2006/12/05 10:40
S65	0	S64 and (receiv\$4 and emitt\$4 and collimat\$4 and angle and degree\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 10:50
S66	29	("4677604"   "5065429"   "5150339"   "5191611"   "5371792"   "5392351"   "5400403"   "5430281"   "5457668"   "5457746"   "5489768"   "5513169"   "5587984"   "5696757"   "5698833"   "5706047"   "5706266"   "5714935"   "5754649"   "5761301"   "5807640"   "5822291"   "5826156"   "5905798"   "6052465"). PN. OR ("6229896").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 10:50
S67	1	S66 and (receiv\$4 and emitt\$4 and collimat\$4 and angle and optical and reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 10:50
S68	99	S61 and (receiv\$4 and emitt\$4 and collimat\$4 and angle and optical and reflect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 11:21

## EAST Search History

S69	59	S68 and (plurality same (emitt\$4 or receiv\$4 or light\$3 or detect\$4 ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 11:22
S70	49	(US-20060124836-\$ or US-20060124843-\$ or US-20050030864-\$ or US-20060118708-\$).did. or (US-3857641-\$ or US-5592293-\$ or US-6205111-\$ or US-5469416-\$ or US-5587901-\$ or US-5949746-\$ or US-5805539-\$ or US-5815475-\$ or US-5825734-\$ or US-5838666-\$ or US-5867466-\$ or US-4607358-\$ or US-5321675-\$ or US-5623459-\$ or US-5748590-\$ or US-5859740-\$ or US-4358803-\$ or US-5208642-\$ or US-3815126-\$ or US-4774463-\$ or US-4897827-\$ or US-5259568-\$ or US-6069863-\$ or US-6212149-\$ or US-6253193-\$ or US-6316077-\$).did. or (US-6363488-\$ or US-6389402-\$ or US-6427140-\$ or US-4496835-\$ or US-4536650-\$ or US-5442598-\$ or US-4356732-\$ or US-4764441-\$ or US-4925776-\$ or US-4953152-\$ or US-5470694-\$ or US-5864135-\$ or US-6545959-\$ or US-6172998-\$ or US-6185167-\$ or US-4516159-\$ or US-5199013-\$ or US-5733623-\$ or US-5010334-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/12/05 11:28
S71	48	S70 and (receiv\$4 and emitt\$4 and collimat\$4 and angle and optical and reflect\$4 and optic\$4 and disk or disc\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 11:29
S72	24	S71 and (optical same detector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 11:30
S73	3	S71 and (optical same detector and slit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 11:30
S74	113	("4026654"   "4538181"   "4621705"   "4626850"   "4757450"   "4833469"   "4849731"   "4926170"   "5039217").PN. OR ("5249157").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:45
S75	54	S74 not (car)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:45
S76	0	S75 and (indicator same dis\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:45
S77	0	S75 and (emitt\$4 and receive\$4 same dis\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:46
S78	2	S75 and (emitt\$4 and receive\$4 and dis\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:46

## EAST Search History

S79	37	(US-20060118708-\$ or US-20060124836-\$ or US-20060124843-\$ or US-20020003206-\$ or US-20010002694-\$ or US-20020148952-\$).did. or (US-4327362-\$ or US-7049578-\$ or US-5266797-\$ or US-4180375-\$ or US-3744909-\$ or US-4373816-\$ or US-4420829-\$ or US-4550395-\$ or US-5107107-\$ or US-5233405-\$ or US-5249157-\$ or US-4538181-\$ or US-6052465-\$ or US-6128388-\$ or US-6160888-\$ or US-6229896-\$ or US-3739177-\$ or US-3742222-\$ or US-5210406-\$ or US-5393973-\$ or US-5461227-\$ or US-6444973-\$).did. or (US-3524066-\$ or US-2690093-\$ or US-3031880-\$ or US-2562525-\$ or US-3277304-\$ or US-3326077-\$ or US-2769374-\$).did. or (GB-2230629-\$).did. or (FR-2740216-\$).did.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2006/12/05 15:39
S80	2	S79 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and angle and meter and (non adj reflect\$4))	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/05 15:56
S81	11	S79 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and angle and meter)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/05 16:01
S82	2	("4600305"   "5694153").PN. OR ("6444973").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 15:58
S83	113	("4026654"   "4538181"   "4621705"   "4626850"   "4757450"   "4833469"   "4849731"   "4926170"   "5039217").PN. OR ("5249157").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 16:00
S84	19	S83 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and angle and meter)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/05 16:06
S85	11	S83 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and meter and disk or disc)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/05 16:03
S86	7	("3326077").URPN.	USPAT	OR	OFF	2006/12/05 16:06
S87	0	S86 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and optic\$4 and dis\$2)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/05 16:07
S88	0	S86 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/05 16:19
S89	34	S79 and ("180" or degrees or angle)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/05 16:20
S90	31	S89 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/05 16:28

## EAST Search History

S91	7	S90 and (fluid same meter)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/05 16:36
S92	3	S79 and ("180" same degree)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/05 16:20
S93	3	S92 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/05 16:28
S94	19	S90 and (transparent)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/05 16:40
S96	8	S90 and (fluid and meter)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/05 16:40
S97	37	(US-20060118708-\$ or US-20060124836-\$ or US-20060124843-\$ or US-20020003206-\$ or US-20010002694-\$ or US-20020148952-\$).did. or (US-4327362-\$ or US-7049578-\$ or US-5266797-\$ or US-4180375-\$ or US-3744909-\$ or US-4373816-\$ or US-4420829-\$ or US-4550395-\$ or US-5107107-\$ or US-5233405-\$ or US-5249157-\$ or US-4538181-\$ or US-6052465-\$ or US-6128388-\$ or US-6160888-\$ or US-6229896-\$ or US-3739177-\$ or US-3742222-\$ or US-5210406-\$ or US-5393973-\$ or US-5461227-\$ or US-6444973-\$).did. or (US-3524066-\$ or US-2690093-\$ or US-3031880-\$ or US-2562525-\$ or US-3277304-\$ or US-3326077-\$ or US-2769374-\$).did. or (GB-2230629-\$).did. or (FR-2740216-\$).did.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2006/12/06 08:53
S98	34	S97 and ("180" or degrees or angle)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 07:44
S99	31	S98 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 17:12
S10 0	7	S99 and (fluid same meter)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 16:52
S10 1	18	S99 and (collimat\$4 same slit)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 08:48
S10 2	9	S97 and (fluid same meter)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 09:15

## EAST Search History

S10 3	4941	(fluid near meter)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 08:55
S10 4	126	S103 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 09:09
S10 5	23	S104 and (rotat\$4 near disk)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 08:59
S10 6	19	S104 and (slit or collimat\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 09:06
S10 7	5	S106 and (rotat\$4 same disk)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 09:00
S10 8	5	S106 and (rotat\$4 same dis\$2)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 09:00
S10 9	2634	fluid adj meter	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 09:06
S11 0	53	S109 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 12:11
S11 1	69	optical same detector near meter	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 09:09
S11 2	22	S111 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 09:12
S11 3	8	S112 and fluid	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 09:12
S11 4	149236	meter same (fluid or water or liquid)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 09:26

## EAST Search History

S115	191	S114 and (detect\$4 and dis\$2 and emitt\$4 and receiv\$4 and reflect\$4 and slit and angle and degree\$2 and axis)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 09:26
S116	15	S115 and (detect\$4 same meter and collimat\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/09 09:05
S117	32	S115 and (collimat\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 09:19
S118	2	("4600305"   "5694153").PN. OR ("6444973").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 09:22
S119	119236	meter same (fluid or water)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 09:26
S120	154	S119 and (detect\$4 and dis\$2 and emitt\$4 and receiv\$4 and reflect\$4 and slit and angle and degree\$2 and axis)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 09:27
S121	26	S120 and (angle same degree)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 09:28
S122	0	("2005/0110656").URPN.	USPAT	OR	OFF	2006/12/06 09:29
S123	2	"5393973".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 12:13
S124	4906	((rotat\$4 same dis\$2) and (detect\$4 same meter))	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 12:23
S125	1042	S124 and (angle same degree)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 12:16
S126	107	S125 and (inclin\$4 and reflect\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 12:18
S127	86	S126 and (fluid or water or flow or liquid or collimat\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 12:24

## EAST Search History

S12 8	11	("4118042"   "4191385"   "4425508"   "4462580"   "5784925"   "6252725"   "6445440"   "6499880"   "6515288"   "6618122"   "6735867").PN. OR ("7025005").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 12:23
S12 9	0	S128 and ((rotat\$4 same dis\$2) and (detect\$4 same meter))	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 12:23
S13 0	11	S128 and (fluid or water or flow or liquid or collimat\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 12:24
S13 1	37	(US-20060118708-\$ or US-20060124836-\$ or US-20060124843-\$ or US-20020003206-\$ or US-20010002694-\$ or US-20020148952-\$).did. or (US-4327362-\$ or US-7049578-\$ or US-5266797-\$ or US-4180375-\$ or US-3744909-\$ or US-4373816-\$ or US-4420829-\$ or US-4550395-\$ or US-5107107-\$ or US-5233405-\$ or US-5249157-\$ or US-4538181-\$ or US-6052465-\$ or US-6128388-\$ or US-6160888-\$ or US-6229896-\$ or US-3739177-\$ or US-3742222-\$ or US-5210406-\$ or US-5393973-\$ or US-5461227-\$ or US-6444973-\$).did. or (US-3524066-\$ or US-2690093-\$ or US-3031880-\$ or US-2562525-\$ or US-3277304-\$ or US-3326077-\$ or US-2769374-\$).did. or (GB-2230629-\$).did. or (FR-2740216-\$).did.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2006/12/06 17:13
S13 2	34	S131 and ("180" or degrees or angle)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 17:13
S13 3	7	S132 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and fluid and collimat\$4 or split)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 17:18
S13 4	2	("20050046824"   "5187538").PN. OR ("7049578").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 17:15
S13 5	2	S134 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and fluid and collimat\$4 or split)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 17:17
S13 6	10	("4311383"   "4974960"   "4997272"   "5054913").PN. OR ("5187538").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 17:18
S13 7	8	S136 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and fluid and collimat\$4 or split)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/12/06 17:18

## EAST Search History

S13 8	38	(US-20060124836-\$ or US-20020003206-\$ or US-20020148952-\$ or US-20010002694-\$ or US-20050110656-\$).did. or (US-4373816-\$ or US-6229896-\$ or US-6160888-\$ or US-6128388-\$ or US-6052465-\$ or US-5249157-\$ or US-5233405-\$ or US-5107107-\$ or US-4550395-\$ or US-4420829-\$ or US-5266797-\$ or US-4538181-\$ or US-4327362-\$ or US-6444973-\$ or US-5461227-\$ or US-5393973-\$ or US-5210406-\$ or US-3742222-\$ or US-3739177-\$ or US-5694153-\$ or US-7025005-\$ or US-4180375-\$ or US-3744909-\$ or US-5187538-\$ or US-5054913-\$ or US-7049578-\$).did. or (US-3326077-\$ or US-3277304-\$ or US-2769374-\$ or US-3524066-\$ or US-3031880-\$).did. or (GB-2230629-\$).did. or (FR-2740216-\$).did.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2007/04/06 14:04
S13 9	0	S138 and ((planar same surface) and (nonzero or (non near zero)))	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/06 14:05
S14 0	5	S138 and (planar same surface)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/06 14:13
S14 1	4	S138 and ((nonzero or zero) with (angle))	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/06 14:13
S14 2	6	((optical with detect\$4) same (counter) and diode and angle and meter and reflect\$4 and collimat\$4 and slit\$4 and emitt\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/09 08:45
S14 3	11	((optical with detect\$4) same (counter) and (angle and meter and reflect\$4 and collimat\$4 and slit\$4 and emitt\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/09 08:45
S14 4	152059	meter same (fluid or water or liquid)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/09 09:37
S14 5	198	S144 and (detect\$4 and dis\$2 and emitt\$4 and receiv\$4 and reflect\$4 and slit and angle and degree\$2 and axis)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/09 09:05
S14 6	3	S145 and (detect\$4 same meter same collimat\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/09 09:21
S14 7	185	S145 and (detect\$4 and angle and (center or nonzero))	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/09 13:51

## EAST Search History

S14 8	0	S147 and (nonzero same center)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/09 09:23
S14 9	21	S147 and (nonzero and center)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/09 09:31
S15 0	152059	meter same (fluid or water or liquid)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/09 13:56
S15 1	198	S150 and (detect\$4 and dis\$2 and emitt\$4 and receiv\$4 and reflect\$4 and slit and angle and degree\$2 and axis)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/09 13:56
S15 2	185	S151 and (detect\$4 and angle and (center or nonzero))	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/09 13:56
S15 3	1	S152 and ((fluid or water) near meter)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/09 14:04
S15 4	148	S152 and ((fluid or water) same (meter or (rotating with dis\$2)))	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/09 14:06
S15 5	33	S154 and (optical with detect\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2007/04/09 14:06
S15 6	43	(US-20060124836-\$ or US-20020003206-\$ or US-20020148952-\$ or US-20010002694-\$ or US-20050110656-\$ or US-20050112541-\$ or US-20030235919-\$ or US-20030058451-\$ or US-20030035352-\$).did. or (US-5266797-\$ or US-4327362-\$ or US-4420829-\$ or US-4373816-\$ or US-6229896-\$ or US-6160888-\$ or US-6128388-\$ or US-6052465-\$ or US-5249157-\$ or US-5233405-\$ or US-5107107-\$ or US-4550395-\$ or US-4538181-\$ or US-6444973-\$ or US-5461227-\$ or US-5393973-\$ or US-5210406-\$ or US-3742222-\$ or US-3739177-\$ or US-5694153-\$ or US-5847819-\$ or US-4284496-\$ or US-7025005-\$ or US-3744909-\$ or US-4180375-\$ or US-5187538-\$).did. or (US-5054913-\$).did. or (US-3326077-\$ or US-3277304-\$ or US-2769374-\$ or US-3524066-\$ or US-3031880-\$).did. or (GB-2230629-\$).did. or (FR-2740216-\$).did.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2007/04/10 15:46
S15 7	1	S156 and ((nonzero or (non with zero)) same angle)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2007/04/10 16:15

## EAST Search History

S15 8	6	((emitt\$4 same receiv\$4 same planar same reflect\$4) and ((nonzero or (non with zero)) same angle))	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2007/04/10 16:15
S15 9	6	S158 and ((nonzero or (non with zero)) same angle)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	OFF	2007/04/10 16:15